

ABSTRACT

An antenna diversity receiving system is disclosed which includes an antenna device with a plurality of FM antennas and a controllable switching circuit for sequentially switching through one of the plurality of FM antennas via an antenna cable to a receiver upon reception of a switching control signal. The receiver has a multipath detector coupled to a pulse generator for generating a pulse signal to be used as such switching control signal. To secure accurate detection of the switching control signal, the pulse generator is coupled to a pulse shaper to convert the pulse signal of the pulse generator into a pulse signal pair. The pulse signal pair has a first signal pulse followed by a second signal pulse having a signal polarity opposite to the signal polarity of the first signal pulse. The pulse signal pair has a waveform varying symmetrically around a reference level and is supplied through the antenna cable to the antenna device.

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